

What is claimed is:

1. An apparatus, comprising:
at least one processor,
and at least one memory including computer program code,
the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus to:
provide an audio capture event wherein one or more microphone configurations are configured to provide one or more audio signals based on at least one acoustic signal from at least one acoustic source, at least one of the one or more microphone configurations being defined by a first position of a first microphone configuration on a first portion and a second position of a second microphone configuration on a second portion, the second portion being movable relative to the first portion.
2. The apparatus of claim 1, wherein the apparatus is further caused to determine an optimal microphone configuration for the audio capture event using a directional analysis based on a correlation between audio channels defined by the first position of the first microphone configuration and the second position of the second microphone configuration.
3. The apparatus of claim 1, wherein the apparatus is further caused to provide a feedback regarding optimal positions for the first microphone configuration and the second microphone configuration for subsequent adjustment of the first position of the first microphone configuration and the second position of the second microphone configuration.
4. The apparatus of claim 3, wherein the apparatus is further caused to determine relative positions of the first microphone configuration and the second microphone configuration and configure the first microphone configuration and the second microphone configuration for optimal performance.
5. The apparatus of claim 3, wherein the apparatus is further caused to provide an indication to a user for the user to configure the first microphone configuration and the second microphone configuration for optimal performance.
6. The apparatus of claim 1, wherein the second portion is a cover, a slidable cover, a foldable portion, an operable section, or a bendable portion of the apparatus.
7. The apparatus of claim 1, further comprising a third microphone configuration on the first portion or the second portion.
8. The apparatus of claim 7, wherein when the apparatus is positioned flat, a vertical plane through the first microphone configuration, the second microphone configuration, and the third microphone configuration define a horizontal distance of zero between the first microphone configuration and the second microphone configuration when the apparatus is in the first position, and wherein an optimal position for the audio capture event comprises a horizontal non-zero distance between the first microphone and the second microphone when the apparatus is in the second position.
9. The apparatus of claim 1, wherein at least one of the first and second microphone configurations comprise
at least one of,
a microphone,
one or more sound channels, and
one or more sound inlets through which sound can be transmitted,
wherein the microphone is acoustically coupled to the one or more sound channels and the one or more sound inlets.

10. The apparatus of claim 1, wherein the at least one of the first and second microphone configurations is modified by the movement of the second portion relative to the first portion.

11. An electronic mobile device comprising the apparatus of claim 1.

12. A method, comprising:

providing an audio capture event wherein one or more microphone configurations are configured to provide one or more audio signals based on at least one acoustic signal from at least one acoustic source, at least one of the one or more microphone configurations being defined by a first position of a first microphone configuration on a first portion and a second position of a second microphone configuration on a second portion, the second portion being movable relative to the first portion.

13. The method of claim 12, further comprising determining an optimal microphone configuration for the audio capture event using a directional analysis based on a correlation between audio channels defined by the first position of the first microphone configuration and the second position of the second microphone configuration.

14. The method of claim 13, wherein using a directional analysis further comprises transforming a plurality of input channels to a frequency domain using discrete Fourier transform.

15. The method of claim 12, further comprising providing a feedback regarding optimal positions for the first microphone configuration and the second microphone configuration for subsequent adjustment of the first position of the first microphone configuration and the second position of the second microphone configuration.

16. The method of claim 15, further comprising determining relative positions of the first microphone configuration and the second microphone configuration and configuring the first microphone configuration and the second microphone configuration for optimal performance.

17. The method of claim 15, further comprising providing an indication to a user for the user to configure the first microphone configuration and the second microphone configuration for optimal performance.

18. The method of claim 12, wherein the microphone configuration is further defined by a third microphone configuration on the first portion or the second portion.

19. The method of claim 15, wherein providing a feedback regarding optimal positions for the plurality of microphones comprises one or more of exaggerating a low quality audio output to the user, illuminating a light, providing a text graphic, and providing an audio instruction.

20. A non-transitory computer readable storage medium encoded with instructions that, if executed by a computer, perform a process, the process comprising:

providing an audio capture event wherein one or more microphone configurations are configured to provide one or more audio signals based on at least one acoustic signal from at least one acoustic source, at least one of the one or more microphone configurations being defined by a first position of a first microphone configuration on a first portion and a second position of a second microphone configuration on a second portion, the second portion being movable relative to the first portion.

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